

# Data Sheet

# FUJITSU Server PRIMERGY TX150 S8 Mono-Socket Intel® Xeon® processor server

The one-processor tower server - maximized!

FUJITSU Server PRIMERGY systems provide the most powerful and flexible data center solutions for companies of all sizes, across all industries and for any type of workload. This includes expandable PRIMERGY tower servers for remote and branch offices, versatile rack-mount servers, compact and scalable blade systems, as well as density-optimized scale-out servers. They convince by business proven quality with a wide range of innovations, highest efficiency cutting operational cost and complexity, and provide more agility in daily operations in order to turn IT faster into a business advantage.

Perfect for small and medium businesses as well as branch offices, FUJITSU Server PRIMERGY TX tower systems are robust and cost-efficient servers by providing rock solid reliability. Additionally they are characterized by simple IT operations, low power consumption and quiet operation so that they can be handled by non-technically trained staff and can be used in standard office environments. By the way: Almost all PRIMERGY TX servers can be rack-mounted to offer best flexibility.

## PRIMERGY TX150 S8

The Fujitsu Server PRIMERGY TX150 S8 stands for reliable and expandable server performance for SMEs, branch offices and virtualized environments. New to the PRIMERGY TX150 platform: The Intel® Xeon® E5 processor family provides a maximum of expandability in an one-socket server. Future demand is perfectly covered by 5 PCIe Gen2/3 expansion slots, up to 96 GB of memory and up to 16 hard disk drives. At the same time the optional redundant power supply units and fans ensure stable and reliable computing. And of course:

Fujitsu's innovative Cool-safe™ concept together with processors of the Intel® Xeon® E5-1400 and E5-2400 family guarantee best energy efficient performance.



# Features & Benefits

Main Features	Benefits
<b>Performance meets energy efficiency</b> <ul style="list-style-type: none"><li>■ By combining the latest Intel® mono/dual-processor platform and SAS 2.0 hard disks with Fujitsu's engineering, you get best performance with low energy consumption</li></ul>	<ul style="list-style-type: none"><li>■ High performance and energy efficiency</li></ul>
<b>High availability</b> <ul style="list-style-type: none"><li>■ Hot plug hard disks: choose between max. 8x 3.5-inch or max. 16x 2.5-inch. Power supply units: choose between standard or redundant</li></ul>	<ul style="list-style-type: none"><li>■ High availability options to suit your business</li></ul>
<b>Expandability</b> <ul style="list-style-type: none"><li>■ Up to 96 GB of memory and 6 expansion slots</li></ul>	<ul style="list-style-type: none"><li>■ High expandability - the TX150 S8 grows with your business</li></ul>
<b>Investment protection</b> <ul style="list-style-type: none"><li>■ The PRIMERGY TX150 S8 can be integrated into a rack infrastructure with the tower to rack conversion kit</li></ul>	<ul style="list-style-type: none"><li>■ High versatility - increases your investment's lifetime</li></ul>
<b>Service made easy</b> <ul style="list-style-type: none"><li>■ The green touch points, the system ID card and the customer self-service module make servicing the TX150 S8 easier</li></ul>	<ul style="list-style-type: none"><li>■ High serviceability - saves your time</li></ul>

# Technical details

## PRIMERGY TX150 S8

Base unit	PRIMERGY TX150 S8 LFF	PRIMERGY TX150 S8 LFF	PRIMERGY TX150 S8 SFF	PRIMERGY TX150 S8 SFF
<b>Housing types</b>	Tower	Tower	Tower	Tower
<b>Storage drive architecture</b>	3.5-inch	3.5-inch	2.5-inch	2.5-inch
<b>Power supply</b>	Standard	Hot-plug	Standard	Hot-plug
<b>Mainboard</b>				
<b>Mainboard type</b>	D 3079			
<b>Chipset</b>	Intel® C602			
<b>Processor quantity and type</b>	1 x Intel® Pentium® processor / Intel® Xeon® processor E5-1400 product family / Intel® Xeon® processor E5-2400 product family			
<b>Processor</b>	Intel® Pentium® processor 1403 (2C/2T, 2.60 GHz, TLC: 5 MB, Turbo: No, 6.4 GT/s, Mem bus: 1,066 MHz, 80 W) Intel® Xeon® processor E5-1410 (4C/8T, 2.80 GHz, TLC: 10 MB, Turbo: Yes, 6.4 GT/s, Mem bus: 1,333 MHz, 80 W) Intel® Xeon® processor E5-2403 (4C/4T, 1.80 GHz, TLC: 10 MB, Turbo: No, 6.4 GT/s, Mem bus: 1,066 MHz, 80 W) Intel® Xeon® processor E5-2407 (4C/4T, 2.20 GHz, TLC: 10 MB, Turbo: No, 6.4 GT/s, Mem bus: 1,066 MHz, 80 W) Intel® Xeon® processor E5-2420 (6C/12T, 1.90 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1,333 MHz, 95 W) Intel® Xeon® processor E5-2430 (6C/12T, 2.20 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1,333 MHz, 95 W) Intel® Xeon® processor E5-2430L (6C/12T, 2.00 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1,333 MHz, 60 W) Intel® Xeon® processor E5-2440 (6C/12T, 2.40 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1,333 MHz, 95 W) Intel® Xeon® processor E5-2450 (8C/16T, 2.10 GHz, TLC: 20 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,600 MHz, 95 W)			
<b>Memory slots</b>	6 (6 DIMMs, 3 channels with 2 slots per channel)			
<b>Memory slot type</b>	DIMM (DDR3)			
<b>Memory capacity (min. - max.)</b>	2 GB - 96 GB			
<b>Memory protection</b>	Advanced ECC Memory Scrubbing SDDC (Chipkill™) Hot-spare memory support Memory Mirroring support			
<b>Memory notes</b>	max. 96 GB registered; min. 2 GB unbuffered; Memory Mirroring with identical modules in both channel pairs of a bank (2 modules per bank). Rank sparing with identical modules within the same channel. Performance Mode with identical modules in all channels of each bank per CPU.			
<b>Memory options</b>	4 GB (1 module(s) 4 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM, single rank 8 GB (1 module(s) 8 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM, dual rank 16 GB (1 module(s) 16 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM, dual rank			
<b>Memory options</b>	4 GB (1 module(s) 4 GB) DDR3 LV, unbuffered, ECC, 1,600 MHz, PC3-12800, DIMM, dual rank			
<b>Interfaces</b>				
<b>USB 2.0 ports</b>	9 x USB 2.0 (2x front, 4x rear, 3x internal for backup, UFM and internal USB)			
<b>Graphics (15-pin)</b>	1 x VGA			
<b>Serial 1 (9-pin)</b>	1 x serial RS-232-C, usable for iRMC or system or shared			
<b>LAN / Ethernet (RJ-45)</b>	2 x Gbit/s Ethernet			
<b>Management LAN (RJ45)</b>	1 x dedicated management LAN port for iRMC S3 (10/100/1000 Mbit/s) Management LAN traffic can be switched to shared onboard Gbit LAN port			

**Onboard or integrated Controller**

<b>RAID controller</b>	additional RAID controller options are described under Components RAID controller
<b>SATA Controller</b>	Intel® C602, 2 ports used for accessible drives 4 port for internal SATA HDDs with RAID 0, 1, 10 for Windows and Linux;
<b>SATA controller type notes</b>	On board SATA controller supports RAID levels 0, 1, 10
<b>Remote Management Controller</b>	Integrated Remote Management Controller (iRMC S3, 32 MB attached memory incl. graphics controller) IPMI 2.0 compatible
<b>Trusted Platform Module (TPM)</b>	Infineon / separate module; TCG V1.2 compliant (option)

**Slots**

<b>PCI-Express 3.0 x4 (mech. x8)</b>	2 x Full height 280 mm length
<b>PCI-Express 3.0 x16</b>	1 x Full height 280 mm length
<b>PCI-Express 2.0 x1 (mech. x16)</b>	1 x Full height 170 mm length
<b>PCI-Express 2.0 x4 (mech. x8)</b>	1 x Full height 230 mm length; preferred RAID slot
<b>PCI-slots</b>	1 x PCI 32/33 MHz, 1x long, 5V
<b>Slot Notes</b>	in SAS configuration 1x PCI-Express occupied by modular RAID controller.

**Drive bays**

<b>Storage drive bays</b>	3.5-inch or 2.5-inch hot-plug SAS/SATA
<b>Accessible drive bays</b>	3 x 5.25/1.6-inch
<b>Notes accessible drives</b>	all possible options described in relevant system configurator

**Drive bays (Base unit specific)**

<b>Storage drive bays</b>	Max 8 (4 + 4) x 3.5-inch	Max 16 (8 + 8) x 2.5-inch	Max 16 (8+ 8) x 2.5-inch
<b>Accessible drive bays</b>	3 x 5.25/1.6-inch for 4 x 3.5-inch HDD/ SSD, or 2 x 3.5-inch HDD/SSD + 1 x backup drive + local service display 1 x 5.25/0.5-inch for slimline ODD	3 x 5.25/1.6-inch for 8 x 2.5-inch HDD/SSD + backup drive/ODD, or 8 x 2.5-inch HDD/SSD + slim ODD + local service display	3 x 5.25/1.6-inch for 8 x 2.5-inch HDD/SSD + backup drive/ODD, or 8 x 2.5-inch HDD/SSD + slim ODD + local service display

**General system information**

<b>Fan notes</b>	Redundant fan configuration is only available in combination with redundant PSU		
<b>Number of fans</b>	3	4	3
<b>Fan configuration</b>	3+1 redundant		
<b>Fan notes</b>	non redundant / non hot-plug	redundant / non hot-plug	non redundant / non hot-plug

**Operating panel**

<b>Operating buttons</b>	On/off switch NMI button Reset button
<b>Status LEDs</b>	System status (orange / yellow) Identification (blue) Hard disks access (green) Power (amber / green) CPU status Fan status Hard disk error Temperature CSS (yellow) Memory status PSU status (green/ amber) At system rear side: System status (orange / yellow) Identification (blue) LAN connection (green) LAN speed (green / yellow)
<b>Service display</b>	Optional: ServerView Local Service Display (LSD)

## BIOS

### BIOS features

ROM based setup utility  
Recovery BIOS  
BIOS settings save and restore  
Local BIOS update from USB device  
Online update tools for main Windows and Linux versions  
Local and remote update via ServerView Update Manager  
SMBIOS V2.4  
Remote PXE boot support  
Remote iSCSI boot support

### Operating Systems and Virtualization Software

#### Certified or supported operating systems and virtualization software

Microsoft® Hyper-V Server R2 2012  
Microsoft® Windows Server® 2012 R2 Datacenter  
Microsoft® Windows Server® 2012 R2 Standard  
Microsoft® Windows Server® 2012 R2 Essentials  
Microsoft® Windows Server® 2012 R2 Foundation  
Microsoft® Windows Storage Server 2012 R2 Standard  
Microsoft® Hyper-V Server 2012  
Microsoft® Windows Server® 2012 Datacenter  
Microsoft® Windows Server® 2012 Standard  
Microsoft® Windows Server® 2012 Essentials  
Microsoft® Windows Server® 2012 Foundation  
Microsoft® Windows Storage Server 2012 Standard  
Microsoft® Hyper-V™ Server 2008 R2  
Microsoft® Windows Server® 2008 R2 Datacenter  
Microsoft® Windows Server® 2008 R2 Enterprise  
Microsoft® Windows Server® 2008 R2 Standard  
Microsoft® Windows® Web Server 2008 R2  
Microsoft® Windows® Small Business Server 2011 Premium Add-On  
Microsoft® Windows® Small Business Server Standard 2011  
Microsoft® Windows® Server 2008 Datacenter  
Microsoft® Windows® Server 2008 Enterprise  
Microsoft® Windows® Server 2008 Standard  
VMware vSphere™ 5.5 Embedded  
VMware vSphere™ 5.5  
VMware vSphere™ 5.0 Embedded  
VMware vSphere™ 5.0  
VMware vSphere™ 4.1  
VMware vSphere™ 4.1 Embedded  
VMware vSphere™ 4.1 Installable  
SUSE® Linux Enterprise Server 12  
SUSE® Linux Enterprise Server 11  
SUSE® Linux Enterprise Server 10  
SUSE® Linux Enterprise Server 10 with XEN  
Red Hat® Enterprise Linux 6  
Red Hat® Enterprise Linux 5  
Red Hat® Enterprise Linux 5 with XEN

#### Operating system release link

<http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473>

#### Operating system notes

Support of other Linux derivatives on demand

**Server Management**

<b>Standard</b>	<p>ServerView Suite - Deploy</p> <p>SV Installation Manager</p> <p>SV Scripting Toolkit</p> <p>SV Deployment Manager (30-day trial version)</p> <p>ServerView Suite - Control</p> <p>SV Operations Manager incl. PDA and ASR &amp; R (Prefailure and Analysis; Automatic Server Recovery and Restart)</p> <p>SV Performance Management</p> <p>SV Power Management</p> <p>SV RAID Manager</p> <p>ServerView Suite - Maintain</p> <p>SV Remote Management (iRMC)</p> <p>SV Update Management (BIOS, Firmware, Windows Drives and SV Agents)</p> <p>SV Asset Management</p> <p>SV Online Diagnostics</p> <p>ServerView Suite - Integrate</p> <p>SV Integration packs e.g. for Microsoft System Center, Nagios, HP SIM, HP NNM, IBM Tivoli, Altiris Deployment Solutions and others</p>
<b>Option</b>	<p>ServerView Suite - Deploy</p> <p>SV Deployment Manager (full version)</p> <p>ServerView Suite - Maintain</p> <p>iRMC Advanced Pack incl. Advanced Video Redirection (AVR) and Remote Storage</p> <p>ServerView Suite - Dynamize</p> <p>SV Virtual-IO Manager (VIOM)</p> <p>SV Resource Orchestrator Virtual Edition (ROR VE)</p> <p>SV Resource Orchestrator Cloud Edition (ROR CE)</p> <p>ServerView Suite - Integrate</p> <p>SV Integration pack for Fujitsu ManageNow® solution</p>
<b>Server Management notes</b>	Regarding Operating System dependencies and product details for ServerView Suite Software Products see dedicated Product Data sheets.

**Dimensions / Weight**

<b>Floor-stand (W x D x H)</b>	177 x 651 x 456 mm
<b>Rack (W x D x H)</b>	483 x 611 x 177 mm
<b>Dimension notes</b>	Floorstand Width 177 mm without tilt protection (420 mm with tilt protection); depth measured includes handles on redundant PSU. Rack depth includes handles of redundant PSU, excludes rack handles / front.
<b>Height Unit Rack</b>	4 U
<b>Weight</b>	16 - 29 kg
<b>Weight notes</b>	Actual weight may vary depending on configuration
<b>Rack integration kit</b>	Rack integration kit as option

**Dimensions / Weight / Environmental  
(Base unit specific)****Environmental**

<b>Operating ambient temperature</b>	10 - 35 °C
<b>Operating relative humidity</b>	10 - 85 % (non condensing)
<b>Operating environment</b>	FTS 04230 – Guideline for Data Center (installation specification)
<b>Operating environment Link</b>	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe">http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe</a>
<b>Noise emission</b>	Measured according to ISO 7779 and declared according to ISO 9296
<b>Sound pressure (LpAm)</b>	22 dB(A) idle mode/ 22 dB(A) operation mode with low noise mode; 30 dB(A) idle mode/ 30 dB(A) operation mode with SAS HDDs; 36 dB(A) idle mode/ 36 dB(A) operation mode with HDD extension boxes;
<b>Sound power (LWAd; 1B = 10dB)</b>	4,0 B idle / 4,0 B operation mode with low noise mode; 4,8 idle mode/ 4,8 operation mode with SAS HDDs; 5,4 B idle mode/ 5,4 B operation mode with HDD extension boxes;
<b>Noise notes</b>	Noise emissions and operation modes depend on system configuration. Availability of the low noise mode depends on system configuration. To order an eligible system use the checkbox "Enabling low noise mode" in System Architect.

**Electrical values**

<b>Power supply configuration</b>	Base unit specific: 1x standard power supply or 1x hot-plug power supply or 2x hot plug power supplies for redundancy
<b>Standard power supply output</b>	500 W (90 % efficiency, 80 PLUS gold)
<b>Hot-plug power supply output</b>	450 W (94 % efficiency, 80 PLUS platinum)
<b>Hot-plug power supply redundancy</b>	Yes
<b>Rated voltage range</b>	100 V - 240 V
<b>Rated frequency range</b>	47 Hz - 63 Hz
<b>Rated current max.</b>	2.4
<b>Rated current in basic configuration</b>	pending
<b>Active power (min. configuration)</b>	65 W
<b>Active power (max. configuration)</b>	278 W
<b>Active power note</b>	To estimate the power consumption of different configurations use the Power Calculator of the System Architect: <a href="http://configurator.ts.fujitsu.com/public/">http://configurator.ts.fujitsu.com/public/</a>
<b>Apparent power (max. configuration)</b>	296 VA
<b>Heat emission</b>	1000.8 kJ/h (948.6 BTU/h)
<b>Leakage Current</b>	leakage current

**Compliance**

<b>Global</b>	CB RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment)
<b>Germany</b>	GS
<b>Europe</b>	CE Class A *
<b>USA/Canada</b>	CSA/us ULc/us FCC Class A
<b>Japan</b>	VCCI Class A + JIS 61000-3-2
<b>Russia</b>	GOST-R
<b>China</b>	CCC
<b>Australia/New Zealand</b>	C-Tick (AS / NZS CISPR 22 Class A)
<b>Taiwan</b>	BSMI Class A (CNS 13438, CNS 14336) CNS 13436
<b>Compliance link</b>	<a href="http://globalsp.ts.fujitsu.com/sites/certificates">http://globalsp.ts.fujitsu.com/sites/certificates</a>
<b>Compliance notes</b>	<p>There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request.</p> <p>Additional compliance with: Kenya:KEBS; Kuwait: KUCAS; Nigeria:SONCap; South Africa:SABS; Belarus: STB; Kazakhstan: GOST-K; Ukraine: SEMPRO</p> <p>* Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.</p>

# Components

## Storage drives

SSD SATA, 6 Gb/s, 800 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise  
 SSD SATA, 6 Gb/s, 400 GB, MLC, hot-plug, 2.5-inch, enterprise  
 SSD SATA, 6 Gb/s, 400 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise  
 SSD SATA, 6 Gb/s, 200 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise  
 SSD SATA, 6 Gb/s, 100 GB, MLC, hot-plug, 2.5-inch, enterprise  
 SSD SATA, 6 Gb/s, 100 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise  
 SSD SAS, 6 Gb/s, 400 GB, SLC, hot-plug, 2.5-inch, enterprise  
 SSD SAS, 6 Gb/s, 400 GB, MLC, hot-plug, 2.5-inch, enterprise  
 SSD SAS, 6 Gb/s, 200 GB, MLC, hot-plug, 2.5-inch, enterprise  
 HDD SATA, 320 GB, 5,400 rpm, non hot plug, 2.5-inch, economic  
 HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, hot-plug, 3.5-inch, economic  
 HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, hot-plug, 3.5-inch, business critical  
 HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical  
 HDD SATA, 6 Gb/s, 250 GB, 7,200 rpm, hot-plug, 3.5-inch, economic  
 HDD SATA, 6 Gb/s, 250 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical  
 HDD SATA, 6 Gb/s, 3 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical  
 HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical  
 HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical  
 HDD SAS, 6 Gb/s, 900 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 600 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 600 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 500 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical  
 HDD SAS, 6 Gb/s, 450 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 450 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 300 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 300 GB, 15,000 rpm, hot-plug, 2.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 300 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 146 GB, 15,000 rpm, hot-plug, 2.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 4 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical  
 HDD SAS, 6 Gb/s, 3 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical  
 HDD SAS, 6 Gb/s, 2 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical  
 HDD SAS, 6 Gb/s, 1.2 TB, 10,000 rpm, hot-plug, 2.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical  
 HDD SAS, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 2.5-inch, business critical

## Backup Drives

DDS Gen6, 80 GB, 6 MB/s, half height, USB 2.0  
 LTO3HH Ultrium, 400 GB, 60 MB/s, half height, SAS 3Gb/s  
 LTO4HH Ultrium, 800 GB, 120 MB/s, half height, SAS 6Gb/s  
 LTO5HH Ultrium, 1,500 GB, 140 MB/s, half height, SAS 6Gb/s  
 LTO6HH Ultrium, 2,500 GB, 160 MB/s, half height, SAS 6Gb/s  
 RDX Drive, 320 GB, 500 GB, 1 TB, 25 MB/s, half height, USB 3.0

## Optical drives

Blu-ray Disc™ Triple Writer, (6x BD-ROM; 8x DVD; 24x CD), slimline, SATA I  
 Blu-ray Disc™ Triple Writer, (6x BD-ROM  
 ; 8x DVD; 24x CD), slimline, SATA I  
 DVD-ROM, (16xDVD; 48xCD), half height, SATA I  
 DVD Super Multi, (16xDVD, 8xDVD+RW 6xDVD-RW, 12xDVD-RAM; 48xCD, 32xCD-RW), half height, SATA I  
 DVD Super Multi, (8xDVD/DVD+RW, 6xDVD-RW, 5xDVD-RAM; 24xCD/CD-R, 16xCD-RW), slimline, SATA I

## SCSI / SAS Controller

SAS Ctrl. 6 Gbit/s 8 ports ext. PCIe 2.0 x8

<b>RAID Controller</b>	RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 5/6 512MB (D2616), 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 512 MB Cache, Optional BBU for selected systems (based on LSI SAS2108)
	RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 1GB (D3116C), 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU (based on LSI SAS2208)
	RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 1GB (D3116), 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU (based on LSI SAS2208)
	RAID 0/1 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 0/1 (D2607), 8 ports int. RAID level: 0, 1, 10, No BBU support
<b>Communication, Network</b>	Ethernet Ctrl. 1 x 1 Gbit/s PCIe 1.1 x1 ( Intel® ) Ethernet Ctrl. 2 x 10 Gbit/s PCIe 2.0 x8 ( Fujitsu ) Ethernet Ctrl. 2 x 10 Gbit/s PCIe 2.1 x8 ( Intel® ) Ethernet Ctrl. 2 x 1 Gbit/s PCIe 2.1 x4 ( Fujitsu ) Ethernet Ctrl. 2 x 1 Gbit/s PCIe 2.1 x4 ( Intel® ) Ethernet Ctrl. 4 x 1 Gbit/s PCIe 2.1 x4 ( Fujitsu ) Ethernet Ctrl. 4 x 1 Gbit/s PCIe 2.1 x4 ( Intel® )
<b>Graphics add on cards</b>	NVIDIA® Quadro® NVS 300, PCIe x1, 2x DVI/VGA
<b>Warranty</b>	
<b>Standard Warranty</b>	1 year
<b>Service level</b>	Onsite Service (depending on country)
<b>Warranty Terms &amp; Conditions</b>	<a href="http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM">http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM</a>
<b>Maintenance and Support Services - the perfect extension</b>	
<b>Support Pack Options</b>	Globally available in major business areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time 24x7, 4h Onsite Response Time
<b>Recommended Service</b>	24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.
<b>Service Lifecycle</b>	5 years after end of product life
<b>Service Weblink</b>	<a href="http://www.fujitsu.com/fts/services/support">http://www.fujitsu.com/fts/services/support</a>

# More information

## Fujitsu OPTIMIZATION Services

In addition to Fujitsu PRIMERGY TX150 S8, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

## Fujitsu Portfolio

Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

## Computing Products

[www.fujitsu.com/global/services/computing/](http://www.fujitsu.com/global/services/computing/)

## Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about Fujitsu PRIMERGY TX150 S8, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/fts](http://www.fujitsu.com/fts)

## Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT. Please find further information at <http://www.fujitsu.com/global/about/environment>



## Copyrights

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see <http://www.fujitsu.com/fts/resources/navigation/terms-of-use.html>

Copyright © Fujitsu Technology Solutions

## Disclaimer

Technical data are subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

## Contact

FUJITSU LIMITED

Website: [www.fujitsu.com](http://www.fujitsu.com)  
2014-05-05 CE-EN

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see <http://www.fujitsu.com/fts/resources/navigation/terms-of-use.html>  
Copyright © Fujitsu Technology Solutions